

Abstract

The invention pertains to cynomolgous monkey P-glycoproteins and related P-glycoproteins which include cynomolgous-specific amino acids, as well as nucleic acids which encode those polypeptides. The present invention also includes fragments and 5 biologically functional variants of the cynomolgous monkey P-glycoprotein. The invention further relates to methods of using such cynomolgous monkey P-glycoprotein nucleic acids and polypeptides, especially in methods for determining bioavailability of drugs and for screening for inhibitors of cynomolgous PGP. Also included are cynomolgous PGP inhibitors which inhibit cynomolgous PGP activity by inhibiting the expression or function 10 of cynomolgous PGP.